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OM protein - protein search, using sw model

Run on: January 19, 2001, 09:50:27 ; Search time 27.51 seconds  
(without alignments)  
6.527 Million cell updates/sec

Title: US-09-147-490-1  
Perfect score: 58  
Sequence: 1 LVVYPWTFQRF 10

Scoring table: BIOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 174772 seqs, 17957048 residues 174772

Number of hits satisfying chosen parameters:

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database: Issued Patents AA:\*

- 1: /cgn2.6/ptodata/2/1aa/5A.COMB.pep.\*
- 2: /cgn2.6/ptodata/2/1aa/5B.COMB.pep.\*
- 3: /cgn2.6/ptodata/2/1aa/6.COMB.pep.\*
- 4: /cgn2.6/ptodata/2/1aa/PCITUS.COMB.pep.\*
- 5: /cgn2.6/ptodata/2/1aa/Backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	58	100.0	10	2	US-08-627-173-4
2	58	100.0	10	2	US-08-627-173-26
3	58	100.0	10	2	US-08-535-882A-4
4	58	100.0	10	2	US-08-535-882A-26
5	58	100.0	10	3	US-09-005-546-4
6	58	100.0	74	2	US-08-105-989-21
7	58	100.0	74	2	US-08-105-989-25
8	58	100.0	74	3	US-09-138-922-21
9	58	100.0	74	3	US-09-138-922-25
10	58	100.0	146	1	US-07-923-692C-10
11	58	100.0	146	1	US-08-170-095B-2
12	58	100.0	146	1	US-08-184-237-10
13	58	100.0	146	1	US-08-240-712-19
14	58	100.0	146	1	US-08-240-712-20
15	58	100.0	146	1	US-08-240-712-21
16	58	100.0	146	1	US-08-240-712-22
17	58	100.0	146	1	US-08-240-712-23
18	58	100.0	146	1	US-08-240-712-24
19	58	100.0	146	1	US-08-240-712-28
20	58	100.0	146	1	US-08-396-866-2
21	58	100.0	146	1	US-08-443-890-19
22	58	100.0	146	1	US-08-443-890-20
23	58	100.0	146	1	US-08-443-890-21
24	58	100.0	146	1	US-08-443-890-22
25	58	100.0	146	1	US-08-443-890-23
26	58	100.0	146	1	US-08-443-890-24
27	58	100.0	146	1	US-08-443-890-28
28	58	100.0	146	1	US-08-443-890-28

29	58	100.0	146	2	US-08-484-686B-56	Sequence 67, Appl
30	58	100.0	146	2	US-08-484-686B-57	Sequence 68, Appl
31	58	100.0	146	2	US-08-484-686B-58	Sequence 70, Appl
32	58	100.0	146	2	US-08-484-686B-70	Sequence 16, Appl
33	58	100.0	146	2	US-08-432-071B-4	Sequence 17, Appl
34	58	100.0	146	2	US-08-627-173-22	Sequence 18, Appl
35	58	100.0	146	2	US-08-627-173-22	Sequence 19, Appl
36	58	100.0	146	2	US-08-482-920-10	Sequence 20, Appl
37	58	100.0	146	2	US-08-535-882A-18	Sequence 21, Appl
38	58	100.0	146	2	US-08-535-882A-22	Sequence 22, Appl
39	58	100.0	146	2	US-08-619-708A-5	Sequence 23, Appl
40	58	100.0	146	3	US-08-316-421A-9	Sequence 24, Appl
41	58	100.0	146	3	US-08-316-421A-9	Sequence 25, Appl
42	58	100.0	146	3	US-08-381-175A-5	Sequence 26, Appl
43	58	100.0	146	3	US-08-381-175A-5	Sequence 27, Appl
44	58	100.0	146	3	US-08-484-341-19	Sequence 28, Appl
45	58	100.0	146	3	US-09-005-546-8	Sequence 29, Appl

ALIGNMENTS:

RESULT 1  
US-08-627-173-4

Sequence 4, Application US/08627173

Patent No. 5861483

GENERAL INFORMATION:

APPLICANT: TSYRLOVA, IRENA

INVENTOR: WOLPE, STEPHEN D.

TITLE OF INVENTION: INHIBITOR OF STEM CELL PROLIFERATION AND

TITLE OF INVENTION: USES THEREOF

NUMBER OF SEQUENCES: 27

CORRESPONDENCE ADDRESS:

ADDRESSEE: NIXON & VANDERHYTE P. C.

STREET: 1100 NORTH GLEBE ROAD

CITY: ARLINGTON

STATE: VIRGINIA

COUNTRY: U.S.A.

ZIP: 22201-4714

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/627,173

FILING DATE: 03-APR-1996

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/535,882

FILING DATE: 28-SEP-1995

ATTORNEY/AGENT INFORMATION:

NAME: BYRNE, THOMAS E.

REGISTRATION NUMBER: 32,205

REFERENCE/DOCKET NUMBER: 1331-177

TELEPHONE: (703) 816-4000

TELEFAX: (703) 816-4100

INFORMATION FOR SEQ. ID NO. 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 10 amino acids

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: Linear

MOLECULE TYPE: Peptide

US-08-627-173-4

Query Match

Best Local Similarity

Matches

1 LVVYPWTFQRF 10

Score 58; DB 2; Length 10;

Pred. No. 1,0002;

0; Mismatches 0;

Indels 0;

0;

0;

0;

0;

0;

0;

Db 1 LVVYPTORF 10

## RESULT 2

US-08-627-173-26  
Sequence 26, Application US/08627173  
Patent No. 5861483  
GENERAL INFORMATION:  
APPLICANT: TSYRLOVA, IRENA  
TITLE OF INVENTION: INHIBITOR OF STEM CELL PROLIFERATION AND  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHAYE P.C.  
CITY: ARLINGTON  
STATE: VIRGINIA  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/627,173  
FILING DATE: 03-APR-1996  
CLASSIFICATION: 514  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US 08/535,882  
FILING DATE: 28-SEP-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: BYRNE, THOMAS E.  
REGISTRATION NUMBER: 32,205  
REFERENCE/DOCKET NUMBER: 1331-177  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-627-173-26

## Query Match

Best Local Similarity 100.0%; Score 58; DB 2; Length 10;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 LVVYPTORF 10  
Db 1 LVVYPTORF 10

## RESULT 3

US-08-535-882A-4  
Sequence 4, Application US/08535882A  
Patent No. 5939391  
GENERAL INFORMATION:  
APPLICANT: TSYRLOVA, IRENA  
TITLE OF INVENTION: INHIBITOR OF STEM CELL PROLIFERATION AND  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHAYE P.C.  
STREET: 1100 NORTH GLEBE ROAD  
CITY: ARLINGTON

STATE: VIRGINIA  
COUNTRY: U.S.A.  
ZIP: 22201-4714

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/535,882A

FILING DATE: 28-SEP-1995  
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:  
NAME: BYRNE, THOMAS E.

REGISTRATION NUMBER: 32,205  
REFERENCE/DOCKET NUMBER: 1331-177

TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100

INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:

LENGTH: 10 amino acids  
TYPE: amino acid

STRANDEDNESS:  
TOPOLOGY: linear

MOLECULE TYPE: peptide  
US-08-535-882A-4

## Query Match

Best Local Similarity 100.0%; Score 58; DB 2; Length 10;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 LVVYPTORF 10  
Db 1 LVVYPTORF 10

## RESULT 4

US-08-535-882A-26  
Sequence 26, Application US/08535882A  
Patent No. 5939391  
GENERAL INFORMATION:  
APPLICANT: TSYRLOVA, IRENA  
TITLE OF INVENTION: INHIBITOR OF STEM CELL PROLIFERATION AND  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHAYE P.C.  
STREET: 1100 NORTH GLEBE ROAD  
CITY: ARLINGTON  
STATE: VIRGINIA  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/535,882A  
FILING DATE: 28-SEP-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: BYRNE, THOMAS E.  
REGISTRATION NUMBER: 32,205  
REFERENCE/DOCKET NUMBER: 1331-177  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:

LENGTH: 10 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-535-882A-26

Query Match 100.0%; Score 58; DB 2; Length 10;  
Best Local Similarity 100.0%; Pred. No. 0.0002;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LVVYPMPTORF 10  
DB 1 LVVYPMPTORF 10

RESULT 5  
US-09-005-546-4  
Sequence 4, Application US/09005546  
Patent No. 6090782

GENERAL INFORMATION:  
APPLICANT: TSYRLOVA, IRENA  
APPLICANT: WOLPE, STEPHEN D.  
TITLE OF INVENTION: INHIBITOR OF STEM CELL PROLIFERATION AND  
TITLE OF INVENTION: USES THEREOF  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHAYE P. C.  
STREET: 1100 NORTH GLEBE ROAD  
CITY: ARLINGTON  
STATE: VIRGINIA  
COUNTRY: U.S.A.  
ZIP: 22201-4714  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/005,546  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/535,882  
FILING DATE: 28-SEP-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: BYRNE, THOMAS E.  
REGISTRATION NUMBER: 32,205  
REFERENCE/DOCKET NUMBER: 1331-177  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-09-005-546-4

Query Match 100.0%; Score 58; DB 3; Length 10;  
Best Local Similarity 100.0%; Pred. No. 0.0002;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LVVYPMPTORF 10  
DB 1 LVVYPMPTORF 10

RESULT 6

US-09-005-546-26  
Sequence 26, Application US/09005546  
Patent No. 6090782

GENERAL INFORMATION:  
APPLICANT: TSYRLOVA, IRENA  
APPLICANT: WOLPE, STEPHEN D.  
TITLE OF INVENTION: INHIBITOR OF STEM CELL PROLIFERATION AND  
TITLE OF INVENTION: USES THEREOF  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NIXON & VANDERHAYE P. C.  
STREET: 1100 NORTH GLEBE ROAD  
CITY: ARLINGTON  
STATE: VIRGINIA  
COUNTRY: U.S.A.  
ZIP: 22201-4714

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/005,546  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/535,882  
FILING DATE: 28-SEP-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: BYRNE, THOMAS E.  
REGISTRATION NUMBER: 32,205  
REFERENCE/DOCKET NUMBER: 1331-177  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 816-4100  
TELEFAX: (703) 816-4000  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 10 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-09-005-546-26

Query Match 100.0%; Score 58; DB 3; Length 10;  
Best Local Similarity 100.0%; Pred. No. 0.0002;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LVVYPMPTORF 10  
DB 1 LVVYPMPTORF 10

RESULT 7

US-08-105-989-21  
Sequence 21, Application US/08105989  
Patent No. 5922854

GENERAL INFORMATION:  
APPLICANT: Kumar, Ramesh  
APPLICANT: Sharma, Ajay  
APPLICANT: Paulhiac, Clara  
APPLICANT: Khoury-Christianson, Anastasia P.  
TITLE OF INVENTION: Production of Human Hemoglobin in  
TITLE OF INVENTION: Transgenic Pigs.  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: PENNIE & EDMONDS  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.

ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/105,989  
FILING DATE: 11-AUG-1993  
CLASSIFICATION: 800  
ATTORNEY/AGENT INFORMATION:  
NAME: Coruzzi, Laura A.  
REGISTRATION NUMBER: 30,742  
REFERENCE/DOCKET NUMBER: 6794-030  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-8864/9741  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 21:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 74 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-105-989-21

Query Match 100.0%; Score 58; DB 2; Length 74;  
Best Local Similarity 100.0%; Pred. No. 0.0015;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
OY 1 LVVYPWTFORF 10  
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DB 2 LVVYPWTFORF 11

RESULT 8  
US-08-105-989-25  
Sequence 25, Application US/08105989  
Patent No. 5923854  
GENERAL INFORMATION:  
APPLICANT: Kumar, Ramesh  
APPLICANT: Sharma, Ajay  
APPLICANT: Paulhiac, Clara  
APPLICANT: Khoury-Christianson, Anastasia P.  
APPLICANT: Midha, Sunita  
TITLE OF INVENTION: Production of Human Hemoglobin in  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: PENNIE & EDMONDS  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/105,989  
FILING DATE: 11-AUG-1993  
CLASSIFICATION: 800  
ATTORNEY/AGENT INFORMATION:  
NAME: Coruzzi, Laura A.  
REGISTRATION NUMBER: 30,742  
REFERENCE/DOCKET NUMBER: 6794-030  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-8864/9741  
TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 25:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 74 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-105-989-25

Query Match 100.0%; Score 58; DB 2; Length 74;  
Best Local Similarity 100.0%; Pred. No. 0.0015;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
OY 1 LVVYPWTFORF 10  
|||||  
DB 2 LVVYPWTFORF 11

RESULT 9  
US-09-138-922-21  
Sequence 21, Application US/09138922  
Patent No. 6147202  
GENERAL INFORMATION:  
APPLICANT: Kumar, Ramesh  
APPLICANT: Sharma, Ajay  
APPLICANT: Paulhiac, Clara  
APPLICANT: Khoury-Christianson, Anastasia P.  
APPLICANT: Midha, Sunita  
TITLE OF INVENTION: Production of Human Hemoglobin in  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: PENNIE & EDMONDS  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/138,922  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/105,989  
FILING DATE: 11-AUG-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Coruzzi, Laura A.  
REGISTRATION NUMBER: 30,742  
REFERENCE/DOCKET NUMBER: 6794-030  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-8864/9741  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 21:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 74 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-138-922-21

Query Match 100.0%; Score 58; DB 3; Length 74;  
Best Local Similarity 100.0%; Pred. No. 0.0015;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
OY 1 LVVYPWTFORF 10  
|||||

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COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/240,712  
FILING DATE: 09-MAY-1994  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/US92/09752  
FILING DATE: 13-MAY-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: COOPER, IVER P  
REGISTRATION NUMBER: 28,005  
REFERENCE/DOCKET NUMBER: ANDERSON-6  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-628-5197  
TELEFAX: 202-737-3528  
INFORMATION FOR SEQ ID NO: 19:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 146 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-240-712-19

Query Match 100.0%; Score 58; DB 1; Length 146;  
Best Local Similarity 100.0%; Pred. No. 0.0031;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LVVYPWTFORF 10  
DB 32 LVVYPWTFORF 41

## RESULT 15

US-08-240-712-20

Sequence 20, Application US/08240712  
Patent No. 5599907  
GENERAL INFORMATION:  
APPLICANT: ANDERSON, DAVID C.  
APPLICANT: MATHEWS, ANTONY JAMES  
APPLICANT: STETLER, GARY L.  
TITLE OF INVENTION: PRODUCTION AND USE OF MULTIMERIC  
NUMBER OF SEQUENCES: 35  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Browdy and Neimark  
STREET: 419 Seventh Street, N.W., Suite 300  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20004  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/240,712  
FILING DATE: 09-MAY-1994  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/US92/09752  
FILING DATE: 13-MAY-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: COOPER, IVER P  
REGISTRATION NUMBER: 28,005  
REFERENCE/DOCKET NUMBER: ANDERSON-6  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-628-5197

TELEFAX: 202-737-3528  
TELEX: 248633  
INFORMATION FOR SEQ ID NO: 20:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 146 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-240-712-20

Query Match 100.0%; Score 58; DB 1; Length 146;  
Best Local Similarity 100.0%; Pred. No. 0.0031;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LVVYPWTFORF 10  
DB 32 LVVYPWTFORF 41

Search completed: January 19, 2001, 09:52:59  
Job time: 152 sec

APPLICANT: Nagai, Kiyoshi  
TITLE OF INVENTION: Blood Substitutes  
NUMBER OF SEQUENCES: 36  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Somatogen, Inc.  
STREET: 2545 Central Avenue  
CITY: Boulder  
STATE: Colorado  
ZIP: 80301  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4 Mb storage  
COMPUTER: Apple Macintosh  
OPERATING SYSTEM: System 7.0.1  
SOFTWARE: Microsoft Word 5.0a  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/170,095B  
FILING DATE: December 20, 1993  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: No. 5563254ak, Henry P.  
REGISTRATION NUMBER: 33200  
REFERENCE/DOCKET NUMBER: Hoffman 2A/CONT2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 303-541-3322  
TELEFAX: 303-444-3013  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 146  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: unknown to applicant  
MOLECULE TYPE: protein  
HYPOTHETICAL: no  
US-08-170-095B-2

Query Match 100.0%; Score 58; DB 1; Length 146;  
Best Local Similarity 100.0%; Pred. No. 0.0031;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 LVVYPWTORF 10  
DB 32 LVVYPWTORF 41

RESULT 13  
US-08-184-237-10  
Sequence 10, Application US/08184237  
GENERAL INFORMATION:  
APPLICANT: Donson, Jon  
APPLICANT: Grantam, William O.  
APPLICANT: Turpen, Thomas H.  
APPLICANT: Turpen, Ann Myers  
APPLICANT: Garger, Stephen J.  
APPLICANT: Grillo, Laurence K.  
TITLE OF INVENTION: RECOMBINANT PLANT VIRAL NUCLEIC ACIDS  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Limbach & Limbach  
STREET: 2001 Ferry Building  
CITY: San Francisco  
STATE: CAL  
ZIP: 94111  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/184,237  
FILING DATE:

CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 923,692  
FILING DATE: 31-JUL-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 600,244  
FILING DATE: 22-OCT-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 641,617  
FILING DATE: 16-JAN-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 310,881  
FILING DATE: 17-FEB-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 160,766  
FILING DATE: 26-FEB-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 160,771  
FILING DATE: 26-FEB-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 347,637  
FILING DATE: 05-MAY-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 363,138  
FILING DATE: 08-JUN-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 219,279  
FILING DATE: 15-JUL-1988  
ATTORNEY/AGENT INFORMATION:  
NAME: Halluin, Albert P.  
REGISTRATION NUMBER: 28,957  
REFERENCE/DOCKET NUMBER: BIOG-20121 USA  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-433-8716  
TELEFAX: 415-433-4150  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 146 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-184-237-10

Query Match 100.0%; Score 58; DB 1; Length 146;  
Best Local Similarity 100.0%; Pred. No. 0.0031;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 LVVYPWTORF 10  
DB 32 LVVYPWTORF 41

RESULT 14  
US-08-240-712-19  
Sequence 19, Application US/08240712  
Patent No. 5599907  
GENERAL INFORMATION:  
APPLICANT: ANDERSON, DAVID C.  
APPLICANT: MATHEWS, ANTHONY JAMES  
APPLICANT: STETLER, GARY L.  
TITLE OF INVENTION: PRODUCTION AND USE OF MULTIMERIC  
NUMBER OF SEQUENCES: 35  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Browdy and Nelmark  
STREET: 419 Seventh Street, N.W., Suite 300  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20004  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk

Db 2 LVVYPTORF 11

RESULT 10

US-09-138-922-25

Sequence 25, Application US/09138922

Patent No. 6147202

GENERAL INFORMATION:

APPLICANT: Kumar, Ramesh

APPLICANT: Sharma, Ajay

APPLICANT: Paulinac, Clara

APPLICANT: Khoury-Christianson, Anastasia P.

APPLICANT: Midha, Sunila

TITLE OF INVENTION: Transgenic Plgs.

NUMBER OF SEQUENCES: 26

CORRESPONDENCE ADDRESSES:

ADDRESSEE: PENNIE & EDMONDS

STREET: 1155 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: U.S.A.

ZIP: 10036-2711

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/138,922

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/105,989

FILING DATE: 11-AUG-1993

ATTORNEY/AGENT INFORMATION:

NAME: Coruzzi, Laura A.

REGISTRATION NUMBER: 30,742

REFERENCE/DOCKET NUMBER: 6794-030

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 790-9090

TELEFAX: (212) 869-8864/9741

INFORMATION FOR SEQ ID NO: 25:

SEQUENCE CHARACTERISTICS:

LENGTH: 74 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-138-922-25

Query Match 100.0%; Score 58; DB 3; Length 74;

Best Local Similarity 100.0%; Pred. No. 0.0015;

Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVVYPTORF 10

Db 2 LVVYPTORF 11

RESULT 11

US-07-923-692C-10

Sequence 10, Application US/07923692C

Patent No. 5316931

GENERAL INFORMATION:

APPLICANT: Donson, Jon

APPLICANT: Dawson, William O.

APPLICANT: Grantlham, George L.

APPLICANT: Turpen, Thomas H.

APPLICANT: Turpen, Ann Myers

APPLICANT: Garger, Stephen J.

TITLE OF INVENTION: RECOMBINANT PLANT VIRAL NUCLEIC ACIDS

NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Limbach & Limbach

STREET: 2001 Ferry Building

CITY: San Francisco

STATE: CAL

ZIP: 94111

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/923,692C

FILING DATE: 31-JUL-1992

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 600,244

FILING DATE: 22-OCT-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 641,617

FILING DATE: 16-JAN-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 310,881

FILING DATE: 17-FEB-1989

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 160,766

FILING DATE: 26-FEB-1988

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 160,771

FILING DATE: 26-FEB-1988

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 347,637

FILING DATE: 05-MAY-1989

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 363,138

FILING DATE: 08-JUN-1989

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 219,279

FILING DATE: 15-JUL-1988

ATTORNEY/AGENT INFORMATION:

NAME: Halluin, Albert P.

REGISTRATION NUMBER: 28,957

REFERENCE/DOCKET NUMBER: BIOG-20121

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-433-8716

TELEFAX: 415-433-4150

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 146 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-07-923-692C-10

Query Match 100.0%; Score 58; DB 1; Length 146;

Best Local Similarity 100.0%; Pred. No. 0.0031;

Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVVYPTORF 10

Db 32 LVVYPTORF 41

RESULT 12

US-08-170-095B-2

Sequence 2, Application US/08170095B

Patent No. 5563254

GENERAL INFORMATION:

APPLICANT: Hoffman, Stephen J.